

### **REMARKS**

In view of the above amendments and following remarks, further reconsideration of the final rejection of December 27, 2006 is respectfully requested.

Contrary to prior indications by the Examiner, in an Advisory Action of June 12, 2007, the Examiner indicated that the "functional" language in the independent claims would not place the application into condition for allowance, because the prior art controller was alleged to also calculate the force based upon the moment (cause of the tilt). While this does not in fact make any sense, as is clear from the discussion in the Request for Reconsideration filed May 16, 2007, the above amendments have now been proposed to address the Examiner's concerns.

Thus, each of the independent claims has been proposed above to include recitation of both an X-axis friction sensor and a Y-axis friction sensor. No such sensors are present in the prior art cited by the Examiner.

Rather, Watanabe operates through the use of displacement sensors, not through friction sensors. Note in particular the discussion in section 4 beginning at the bottom of page 2 in the Declaration by inventor Yu ISHII of May 7, 2007. Displacement in X, Y and Z axes and tilt angles with respect to the X and Y axes are detected. Watanabe does not calculate the force that is applied to the substrate based upon rotational moment in a direction of frictional force acting on the substrate carrier, but uses actual displacement of the shaft. Thus, Watanabe does not use friction sensors.

The limitations added to each of the independent claims were previously present in the claims. Accordingly, their inclusion into the independent claims raises no new issues for consideration by the Examiner. Accordingly, entry of such amendment is respectfully requested as a matter of right.

Further, allowance of the application as a whole is respectfully requested.

In view of the above amendments and remarks, it is submitted that the present application is now in condition for allowance, and the Examiner is requested to pass the case to issue. If the Examiner should have any comments or suggestions to help speed the prosecution of this application, the Examiner is requested to contact Applicants' undersigned representative.

Respectfully submitted,

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June 25, 2007